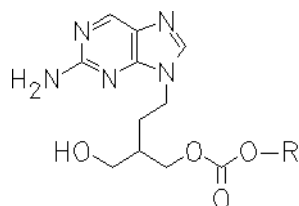


purine derivatives

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Synthesis and Evaluation of 2-Amino-9-(3-hydroxymethyl-4-alkoxycarbonyloxybut-1-yl)purines as Potential Prodrugs of Penciclovir. — Among 7 racemic alkyl monocarbonates, e.g. (I), compound (Ib) is the most stable one in aqueous buffer solutions, is highly soluble in H₂O and shows the highest oral mean urinary recovery of penciclovir in rodents with the best bioavailability. (Ib) is of interest for further studies on its pharmacokinetics, metabolism, disposition, and toxicology. — (KIM, D.-K.; ET AL.; J. Med. Chem. 41 (1998) 18, 3435-3441; Life Sci. Res. Cent., Sunkyong Ind., Kyunggido 440-745, S. Korea; EN)



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